

## How can you help at home?

Every day is filled with opportunities to learn Science! As a parent you don't need a strong background in Science to help your child learn. Here are some ways in which you can support your child when at home and 'out and about'

- Make collections of interesting objects and encourage your child to sort them into different groups.
  - Encourage your child to recognise and talk about similarities and differences between humans, animals, materials and plants
  - Observe changes across the four seasons
  - Have fun cooking and encourage your child to use their senses and describe the texture, taste and smell of different foods.
  - Explore floating and sinking with different objects when in the bath.
  - Look at non-fiction books together to find out about things of interest to them.
  - Plant flowers and vegetables and watch them grow.
- Carry out simple experiments and predict what they think will happen and compare it to what really happened.
- And most importantly, ENJOY!



Please contact the following person for any additional information:

**Mrs Bhandal**  
Science co-ordinator  
Moat Farm Infant School  
Brookfields  
Road Oldbury  
West Midlands  
B68 9QR



# Moat Farm Infant School

# Science

Information Leaflet for  
Parents and Carers





## Science at Moat Farm Infant School

The purpose of this leaflet is to help you understand how Science is taught at Moat Farm Infant School.

Science provides children with the opportunity to be curious, make predictions, make observations and describe those observations, to ask questions about why things happen and to learn how to find the answers, sometimes through simple investigations.

**Foundation Stage:** In the foundation stage, Science is part of 'Understanding the World' area of learning. It is taught each term through 'the World' aspect.

**Key Stage One:** Science is taught in the classroom but, importantly, every opportunity for Science learning during Forest Schools is used in year 1. This supports the use of the outdoor environment which enhances children's learning in years 1 and 2.

All year groups focus on a science area of learning during the half term. There are also many cross curricular opportunities within science.

## Science at Moat Farm Infant School

There are four main areas in the teaching of Science:

### 1. Scientific enquiry:

Children are given the opportunity to use first hand experiences and simple sources of information to ask and answer questions. The emphasis is on learning scientific skills such as sorting, describing, questioning, planning and carrying out investigations, collecting and presenting results and finding conclusions.

### 2. Life processes and living things: (Biology)

Children are encouraged to recognise similarities and differences between living and non-living things. They learn about the human body, their senses, plants and what living things need to stay alive.

### 3. Materials and their properties: (Chemistry)

Children are given the opportunity to explore different materials, sort them according to their properties and consider how some materials can be changed.

### 4. Earth and Space: (Physics)

Children are encouraged to observe and describe changes across the four seasons.

## What will Children Learn?

This is a very brief overview of some of the Science work covered in each year group:

### Foundation Stage:

- Observing what happens to ingredients when we cook with them.
- Investigating which material is the best to make certain things
  - Exploring the growth and change of themselves, caterpillars/butterflies, tadpoles and frogs.
- Observing the weather every day
- Hunting for mini beasts.

### Key stage 1:

- Naming different body parts.
  - Identifying and using the five different senses.
- Observe changes across the four seasons
- Finding out about different materials and sorting them
    - Planting seeds and investigating what they need to grow.
  - Understanding what living things need to stay healthy.
  - Understanding what makes an investigation fair and recording work in a variety of ways.

